

ABSTRACT

A vacuum seed meter for metering individual seeds at consistent intervals. The seed meter employs an improved seed disk defining a plurality of seed attachment holes for holding seeds on the disk via a vacuum attachment force. Each seed attachment hole is configured to allow a seed to be held against one side of the disk without permitting the seed to extend entirely through the attachment hole and protrude from the opposite side of the disk. In addition, the seed disk is configured to provide enhanced resistance to bending. No gaskets or brushes that maintain contact with the seed disk are required. The seed meter also employs an improved second-seed eliminator disposed alongside the seed disk. The second-seed eliminator presents a substantially smooth leading edge that is configured to contact a second seed held by an attachment hole, thereby decoupling the second seed from the disk. The second-seed eliminator can be shifted via contact with a seed firmly attached to the seed disk, thereby preventing shearing of the seed by the seed eliminator.

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